ABENA POKU

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Full Stack/Frontend Developer based in Dallas, Texas, with extensive experience in Python, C++, CSS, JavaScript, and HTML. Proven ability to apply strong analytical and problem-solving skills to support business decision-making processes. Passionate about creating intuitive technology and visually appealing user experiences, leading to enhanced user satisfaction and business growth.

EDUCATION

Texas Tech University, Whitacre College of Engineering | Lubbock, TX   **2024**
B.S. in Computer Science | GPA: 3.7/4.0
Relevant Courses: Operating Systems, Computer Architecture, Database Systems, Intro to Artificial Intelligence, Principles of Economics, Statistics,

TECHNICAL SKILLS

Operating Systems: Windows XP/Vista/7/8/10, Linux
Frontend: ReactJS, NextJS, HTML, TypeScript, NodeJS, VueJS, JavaScript, SCSS, CSS, Styled Components, Responsive Design.
Backend: Java, C, C#, Python, C++, MySQL, MongoDB, Pytorch, TensorFlow
Developer Tools: Git, NPM, YARN, WebPack, Agile Methodology, Test Cases, Software Modeling, UML Visual Studio, SDLC, Snlowflake

EXPERIENCE & PROJECTS

Software Engineer Intern | Chatbud   **May 2023-Aug 2023**
- Oversaw the implementation of responsive web design using ReactJS, creating an engaging user experience and ensuring cross-browser compatibility, resulting in a 20% increase in user retention.
- Diagnosed early danger signs related to machine learning software performance issues with cProfile, resulting in improved responsiveness among users and 80% reduced response time.
- Employed Git/Gitflow branching method to organize feature development, bug fixes, and releases effectively reducing deployment times by 33%.
- Enhanced scalability and deployment efficiency by leveraging AWS cloud platform.

Full Stack Engineer, UI/UX Lead | Cryptobase Web Application   **Jan 2024-May 2024**
- Developed a user registration and login system, enabling over 1,000 users to create accounts and monitor cryptocurrency prices and trends using Next.js, JavaScript, and HTML.
- Achieved a 98% user satisfaction rate by designing responsive interfaces with Next.js.
- Implemented data visualization techniques using ChartJS to present complex cryptocurrency trends and market data in an accessible and user-friendly format.
- Utilized Firebase for backend operations, handling user data storage, authentication, and real-time database operations, leading to a 50% reduction in data retrieval times.

Full Stack Engineer | MySQL Python Patient Appointment System   **Oct 2023-Apr 2024**
- Utilized Python for backend development and optimized MySQL database performance through efficient queries and indexing, improving database performance by 40%.
- Worked collaboratively with cross-functional teams to integrate real-time collaboration features, enhancing the overall user experience and system functionality by 50%.
- Developed advanced role-based access control, personalized dashboards, real-time scheduling, and notification systems to improve user engagement by 35% and operational efficiency by 25%.
- Developed and maintained complex SQL queries for data extraction, transformation, and loading (ETL) processes, ensuring data integrity and accuracy across the system.

Full Stack Engineer | Machine Failure Detection Using AI   **Sep 2023-Feb 2024**
- Developed and deployed Logistic and Random Forest machine learning algorithms using python to interpret and classify industrial machinery output and performance data, utilizing supervised learning, anomaly detection, and time-series analysis.
- Achieved a 95% accuracy rate in predicting machine failures through training and testing, enhancing overall operational efficiency, and reduced false-positive rates by 25% leading to more accurate and actionable insights for maintenance teams.
- Monitored test automation implementation, achieving a 98% bug-free project during the beta-testing phase and reducing project launch time by 71%.
- Utilized data visualization Tableau to create detailed dashboards and reports, facilitating data-driven decision-making for maintenance and operational teams.